

PATENT  
ATTORNEY DOCKET NO. DALHO1270-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Goodwin and Hoffman  
Serial No.:  
Filed: Herewith  
Title: A NOVEL NITROREDUCTASE AND THERAPEUTIC USES THEREFOR

Art Unit: Unassigned  
Examiner Unassigned

Commissioner for Patents  
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE

As a below-named assignee of the above-identified application ("Application"):

I hereby appoint the following attorneys of the assignee to prosecute the Application and to transact all business in the United States Patent and Trademark Office connected therewith:

JOSEPH R. BAKER  
TIM ELLIS  
LISA A. HAILE  
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RICHARD J. IMBRA  
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STEVEN R. SPRINKLE  
RAMSEY R. STEWART  
DAVID R. STEVENS  
BARRY N. YOUNG

Registration No. 40,900  
Registration No. 41,734  
Registration No. 38,347  
Registration No. 33,402  
Registration No. 37,643  
Registration No. 44,835  
Registration No. 31,238  
Registration No. 35,255  
Registration No. 30,298  
Registration No. 41,234  
Registration No. 31,192  
Registration No. 40,825  
Registration No. 38,322  
Registration No. 38,626  
Registration No. 27,744

I hereby authorize and request insertion of the application number of the Application when officially known.

In re Application of:  
Goodwin and Hoffman  
Application No.:  
Filed: Herewith  
Page 2

PATENT  
Attorney Docket No.: DALHO1270-2

Direct all telephone calls to:

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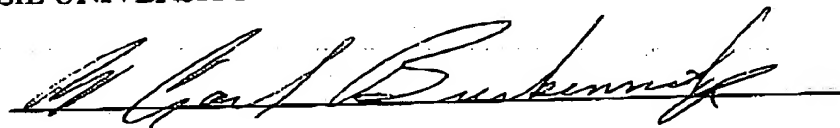
DALHOUSIE UNIVERSITY

By:

Name:

Title:

Date:



W. Carl Breckenridge  
Vice-President Research  
Dalhousie University

November 22, 2000

## RECORDATION FORM COVER SHEET

Docket No. 2001PATENTS ONLY 99/147667

DALHO1270-2

To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of Conveying party(ies):

- a. Avery Goodwin  
b. Paul S. Hoffman

Additional name(s) of conveying party(ies)  
attached?      Yes   X   No

## 2. Name and address of receiving Party(ies)

Name: Dalhousie University  
Street Address: Arts and Administration Building  
Technology Transfer Office  
6299 South Street  
City: Halifax State: Nova Scotia  
Country: Canada Zip: B3H 4H6

Additional name(s) & address(es) attached?  
     Yes   X   No:

## 3. Nature of conveyance:

- X   Assignment      Merger  
     Security Agreement      Change of name  
     Other

Execution Date:

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?      Yes   X   No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Lisa A. Haile, Ph.D.  
GRAY CARY WARE & FREIDENRICH LLP  
Street Address 4365 Executive Drive, Suite 1600  
City: San Diego State: CA Zip: 92121

6. Total number of Applications and patents involved:   1  7. Total fee (37 CFR 3.41) \$ 40.00

- : Enclosed  
  X   : Authorized to charge the recordation fee or  
any underpayment to deposit account.

8.   X   Deposit account Number: 50-1355  
A duplicate copy of this page is attached.

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct  
and any attached copy is a true copy of the original document.

Richard L. Lums  
Registration No.: 37,643

Date: January 31, 2001

Total number of pages including cover sheet, attachments, and document: three (3)

## ASSIGNMENT

This Assignment is made by Paul S. Hoffman, Nova Scotia, Canada and Avery Goodwin, Nova Scotia, Canada, Assignors, to Dalhousie University, Assignee, having a place of business at Arts and Administration Building, Technology Transfer Office, 6299 South Street, Halifax, Nova Scotia B3H 4H6 Canada.

WHEREAS, Assignors have invented a new and useful invention entitled A NOVEL NITROREDUCTASE AND THERAPEUTIC USES THEREFOR, for which an application for United States Letters Patent, was filed on September 29, 2000 in the United States Patent and Trademark Office and assigned U.S. Application Serial No. 09/647,661.

WHEREAS, Assignors believe themselves to be the original inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, the parties desire to have a recordable instrument assigning the entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said inventions in the United States and throughout the world;

NOW, THEREFORE, in accordance with the obligations to assign the invention and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors sell, assign, and transfer to Assignee, the entire right, title, and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and their legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Assistant Commissioner for Patents of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire

5210

Rec'd BATES 21 JAN 2001

ASSIGNMENT

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Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and their legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

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IN WITNESS WHEREOF, Assignors have executed this Assignment on the date(s) provided below.

Date: Dec 8, 2000

Province  
STATE OF Nova Scotia  
COUNTY OF Halifax

Assignor: PAUL S. HOFFMAN

Paul S Hoffman  
Signature

WITNESS: Shelagh Wolfe  
Shelagh Wolfe

On \_\_\_\_\_ before me, \_\_\_\_\_, a Notary Public in and for said State, personally appeared \_\_\_\_\_, proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
(Signature of Notary)

Date: Dec 14, 2000

STATE OF PA  
COUNTY OF USA

Assignor: AVERY GOODWIN

Avery Goodwin  
Signature

Witness: Marjeta Urh  
MARJETA URH

On \_\_\_\_\_ before me, \_\_\_\_\_, a Notary Public in and for said State, personally appeared \_\_\_\_\_, proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
(Signature of Notary)